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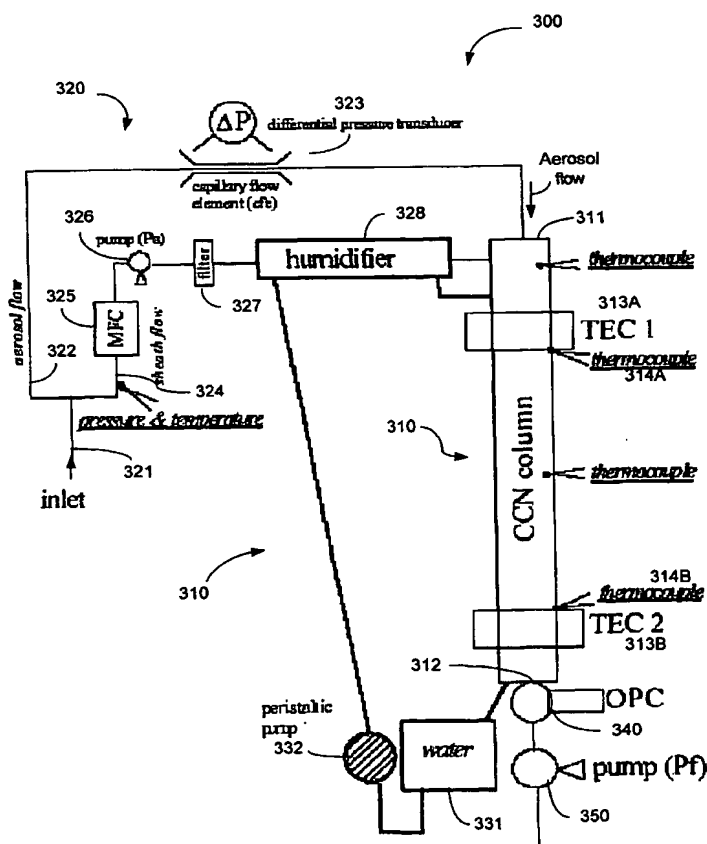
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US 60/411,688 (CIP)
Filed on 18 September 2002 (18.09.2002)
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[Continued on next page]

(54) Title: STREAM-WISE THERMAL GRADIENT CLOUD CONDENSATION NUCLEI CHAMBER



(57) Abstract: A cloud condensation nuclei instrument including an aerosol flow line (320) to carry a desired sample to the CNN chamber (310) and a temperature control unit (313A, 313B) to provide a monotonically increasing temperature profile along the direction of flow.

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RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/29213

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 1/10

US CL : 356/37

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 356/37

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,330,060 B1 (FLAGAN et al) 11 December 2001 (11.12.2001), see entire document.	1-14, 16-27
Y		15
Y	US 5,922,976 A (RUSSELL et al) 13 July 1999 (13.07.1999), see column 8, lines 15-20.	15

☐

Further documents are listed in the continuation of Box C.

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See patent family annex.

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"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

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30 January 2004 (30.01.2004)

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INTERNATIONAL SEARCH REPORT

PCT/US03/29213

Continuation of B. FIELDS SEARCHED Item 3:

USPAT EAST

seasrch terms: cloud condensation nuclei